

Appl. No. 09/866,922
Amdt. dated April 9, 2004
Reply to Office Action of December 10, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A process for treating liquid manure ~~comprising~~ consisting of:
homogenizing the liquid manure;
introducing the homogenized liquid manure into a tank at a relatively constant flow rate into which a tertiary or quaternary polyacrylamide is introduced in an amount of between 80 ppm and 140 ppm and stirring for a time ranging from 5 to 15 minutes to bring about an interchange of electrons in electrostatic layers close to potentials of an electrostatic shearing plane, so that molecular bridges are formed and colloids and solids in suspension are flocculated;
separating the solids from the liquid;
eliminating ~~the~~ any remaining solids in suspension from the liquid by flotation and coalescence of colloidal particles; ~~and~~
removing suspended solids from the liquid; and, optionally,
adding a bactericidal substance following the removal of the suspended solids from the liquid.
- 2 - 4. (Canceled)

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5. (Currently Amended) The process ~~as claimed in~~ of claim 1; wherein the polyacrylamide ~~comprises~~ is in an aqueous solution of a ~~cationic polymer~~ at a concentration of between 3 and 4 grams per liter of water employed, and is directly mixed with the liquid manure.

6 - 7. (Canceled)